

National Mining Association

Weekly Statistical Summary

April 12, 2019 Edition
(Data for Week Ending April 6, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 14
Dated 04/12/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/06/19	04/07/18	% Chng	04/06/19	04/06/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	12,520	13,999	-10.6%	181,239	199,818	-9.3%
52 Weeks Ended	735,124	763,856	-3.8%			
AAR Coal Rail Cars Loaded:	75,048	81,476	-7.9%	1,056,030	1,151,323	-8.3%
Coal Production Month Ended - Mar.	Mar 19/18		% Chng	Jan - Mar 19/18		% Chng
	52,657	65,467	-19.6%	170,276	187,639	-9.3%
DOC Coal Trade (000 Tons)						
Exports:	Jan 19/18		% Chng	Jan - Jan 19/18		% Chng
Metallurgical	4,791	4,572	4.8%	4,791	4,572	4.8%
Steam Bit. *	4,441	4,193	5.9%	4,441	4,193	5.9%
Lignite	8	7	14.3%	8	7	14.3%
Anthracite	51	5	920.0%	51	5	920.0%
Total	9,291	8,777	5.9%	9,291	8,777	5.9%
Imports:	625	500	25.0%	625	500	25.0%
	Week Ended			Cumulative Week 1 to		
	04/06/19	04/07/18	% Chng	04/06/19	04/07/18	% Chng
EI Electric Total Output (Mil. Kwh)	68,805	70,814	-2.8%	1,064,478	1,075,666	-1.0%
EI Coal Region Output (Mil. Kwh)	59,400	60,909	-2.5%	915,838	926,485	-1.1%
AISI Raw Steel Output (000 Tons)	1,928	1,787	7.9%	26,136	24,472	6.8%

EIA (SNL ENERGY) AVERAGE COAL & NATURAL GAS SPOT PRICES Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	04/05/19	03/29/19	% Chng	Wed.	04/03/19
Central App, 12,500 Btu, 1.2 SO ₂	\$80.50	\$80.50	0.0%	Henry Hub	2.67
Northern App, 13,000 Btu, < 3.0 SO ₂	70.20	70.20	0.0%	New York	2.61
Illinois Basin, 11,800, 5.0 SO ₂	37.45	37.45	0.0%	Chicago	2.58
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.80	12.80	0.0%	Cal.Comp.Avg.	2.88
Uinta Basin, 11,700 Btu, 0.8 SO ₂	38.80	38.80	0.0%		

Coal exports and Imports are "as reported" (not revised); *Steam excludes lignite & anthracite. All data in this report are preliminary and subject to revision. r/ revised.

Sources: EIA; Edison Electric Institute; American Iron & Steel Institute; Association of American Railroads; Dept. of Commerce; SNL Energy; NGI's Daily Gas Price Index



EIA Estimated Weekly U.S. Coal Production Overview									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	4/6/2019 (week 14)	3/30/2019 (week 13)	4/7/2018 (week 14)	4/6/2019	4/6/2018	% Change	4/6/2019	4/7/2018	% Change
Alabama	264	227	274	3,902	4,138	-5.7	14,480	13,390	8.1
Alaska	13	12	14	207	248	-16.6	879	934	-5.9
Arizona	120	100	131	1,728	1,640	5.4	6,621	6,099	8.6
Arkansas	15	.
Colorado	239	198	293	3,348	3,529	-5.2	13,806	14,474	-4.6
Illinois	834	706	939	12,120	13,439	-9.8	48,015	48,168	-0.3
Indiana	641	529	686	8,807	9,068	-2.9	34,430	31,617	8.9
Kentucky Total	662	559	773	9,553	10,901	-12.4	38,218	40,493	-5.6
Eastern (KY)	281	240	338	4,256	4,765	-10.7	16,450	17,939	-8.3
Western (KY)	382	319	435	5,296	6,136	-13.7	21,768	22,554	-3.5
Louisiana	30	23	35	300	261	14.8	1,518	1,351	12.4
Maryland	17	15	22	272	398	-31.7	1,098	1,694	-35.2
Mississippi	59	46	60	727	692	5.1	2,967	2,495	18.9
Missouri	5	4	5	65	68	-5.3	255	249	2.4
Montana	641	539	703	9,537	9,670	-1.4	38,385	37,115	3.4
New Mexico	143	107	135	1,655	2,140	-22.7	10,290	11,945	-13.9
North Dakota	503	422	533	7,424	7,997	-7.2	29,001	29,083	-0.3
Ohio	124	109	129	2,034	2,563	-20.6	8,436	9,612	-12.2
Oklahoma	18	13	19	214	148	44.6	780	577	35.2
Pennsylvania Total	890	740	1,046	12,390	12,880	-3.8	49,192	48,519	1.4
Anthracite (PA)	32	26	38	444	460	-3.6	1,849	1,823	1.4
Bituminous (PA)	858	715	1,008	11,946	12,420	-3.8	47,343	46,696	1.4
Tennessee	3	2	3	43	60	-28.6	173	330	-47.6
Texas	349	311	502	5,493	6,501	-15.5	23,749	33,507	-29.1
Utah	209	183	236	3,428	3,839	-10.7	13,149	14,395	-8.7
Virginia	210	177	243	3,046	3,564	-14.5	12,359	13,276	-6.9
West Virginia Total	1,657	1,386	1,938	24,470	25,095	-2.5	94,322	92,657	1.8
Northern (WV)	790	667	907	11,300	11,880	-4.9	45,171	45,151	0.0
Southern (WV)	867	720	1,032	13,170	13,215	-0.3	49,152	47,505	3.5
Wyoming	4,889	4,110	5,280	70,478	80,978	-13.0	293,000	311,862	-6.0
Appalachian Total	3,445	2,897	3,994	50,412	53,462	-5.7	196,510	197,418	-0.5
Interior Total	2,318	1,952	2,681	33,023	36,313	-9.1	133,482	140,532	-5.0
Western Total	6,757	5,671	7,325	97,805	110,043	-11.1	405,132	425,906	-4.9
East of Mississippi River	5,361	4,497	6,113	77,363	82,796	-6.6	303,690	302,251	0.5
West of Mississippi River	7,159	6,023	7,886	103,877	117,022	-11.2	431,433	461,605	-6.5
Bituminous and Lignite	12,488	10,494	13,962	180,796	199,358	-9.3	733,274	762,033	-3.8
Anthracite	32	26	38	444	460	-3.6	1,849	1,823	1.4
U.S. Total	12,520	10,520	13,999	181,239	199,818	-9.3	735,124	763,856	-3.8
Railroad Cars Loaded	75,048	60,984	81,476	1,056,030	1,151,323	-8.3	4,310,658	4,421,313	-2.5

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 14

OUTPUT FOR WEEK ENDED - Apr 06, 2019

Apr 10, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Apr 06, 2019** was **68,805** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **180** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended April 06		52 Weeks Ended April 06	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,013	-6.8	121,669	0.8
Mid-Atlantic	7,275	-3.7	439,395	2.2
Central Industrial	12,055	-5.1	683,262	2.5
West Central	5,708	-5.7	338,425	2.6
Southeast	17,243	-0.3	1,042,352	0.9
South Central	12,665	-0.4	761,330	3.0
Rocky Mountain	4,454	-2.9	283,504	2.2
Pacific Northwest	2,797	-6.8	157,451	-0.1
Pacific Southwest	4,595	-3.1	275,148	-2.5
Total United States	68,805	-2.8	4,102,536	1.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Mar 16	70,792	Mar 17	72,648	-2.6	Mar 16	4,108,511	1.9
Mar 23	69,913	Mar 24	71,792	-2.6	Mar 23	4,106,632	1.8
Mar 30	68,088	Mar 31	70,174	-3.0	Mar 30	4,104,545	1.8
Apr 06	68,805	Apr 07	70,814	-2.8	Apr 06	4,102,536	1.6
Apr 06	1,064,478	Apr 07	1,075,666	-1.0	YEAR TO DATE, FIRST 14 WEEKS		

WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.*

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Mar 16	174	Mar 17	179	Mar 18	173
Mar 23	174	Mar 24	178	Mar 25	163
Mar 30	175	Mar 31	175	Apr 01	167
Apr 06	180	Apr 07	180	Apr 08	167

* Excludes Alaska and Hawaii.

+ Includes investor-owned companies, cooperatives and government-owned utilities.

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**EEl WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)**

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	6-Apr 2019 GWh Output	7-Apr 2018 GWh Output	% Increase Over Corresponding Week of 2018	6-Apr 2019 GWh Output	7-Apr 2018 GWh Output	% Increase Over Corresponding Week of 2018	6-Apr 2019 GWh Output	7-Apr 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,013	2,160	-6.8%	32,700	33,241	-1.6%	121,669	120,751	0.8%
Mid-Atlantic	7,275	7,554	-3.7%	116,922	117,926	-0.9%	439,395	429,855	2.2%
Central Industrial	12,055	12,704	-5.1%	186,140	187,459	-0.7%	683,262	666,717	2.5%
West Central	5,708	6,051	-5.7%	88,844	88,312	0.6%	338,425	329,815	2.6%
Southeast	17,243	17,295	-0.3%	267,733	277,283	-3.4%	1,042,352	1,032,574	0.9%
South Central	12,665	12,720	-0.4%	184,607	186,219	-0.9%	761,330	739,252	3.0%
Rocky Mountain	4,454	4,585	-2.9%	71,592	69,286	3.3%	283,504	277,316	2.2%
Pacific Northwest	2,797	3,002	-6.8%	49,496	47,991	3.1%	157,451	157,598	-0.1%
Pacific Southwest	4,595	4,743	-3.1%	66,445	67,948	-2.2%	275,148	282,112	-2.5%
Total United States ^{1/}	68,805	70,814	-2.8%	1,064,479	1,075,665	-1.0%	4,102,536	4,035,990	1.6%
Coal Regions Only ^{2/}	59,400	60,909	-2.5%	915,838	926,485	-1.1%	3,548,268	3,475,529	2.1%

Notes: EEI output data are an estimate of electricity load made available for distribution derived as weekly net generation + purchases from non-utilities + net imports - exports - sales for resale. It is not meant to be a measure of electricity generation for the U.S. EEI survey data represent the majority of national distribution (large utilities, large government power projects, some independent and large municipal power projects). The remaining segment of the industry (smaller producers) is estimated. Non-utility generation is captured via direct sales to utilities.

^{1/} Excludes Alaska and Hawaii

^{2/} Excludes New England and Pacific regions

SOURCE: Edison Electric Institute (EEI), *Weekly Electric Output Report*.

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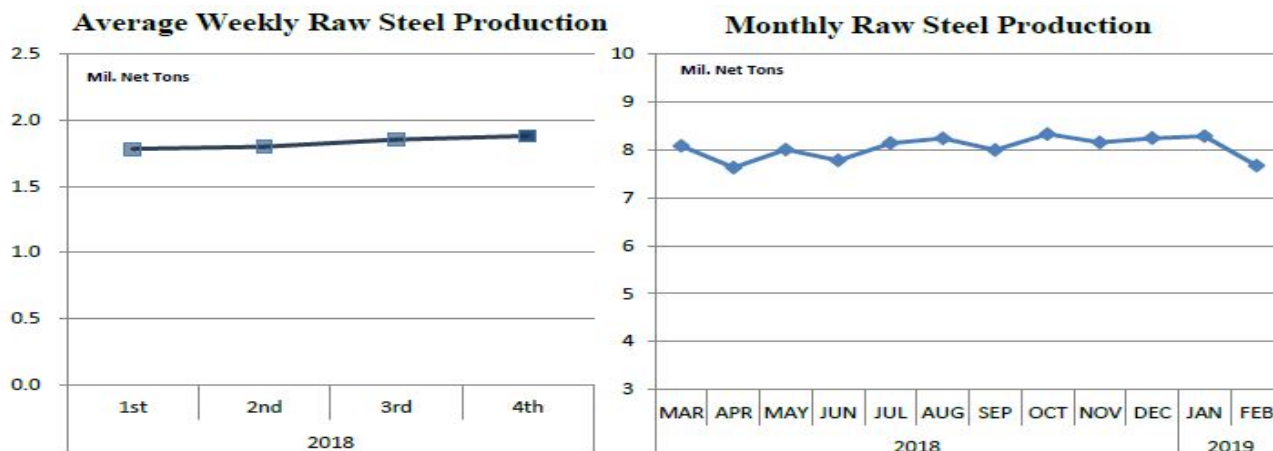
April 8, 2019

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
				<u>Apr. 6</u>	<u>Mar. 30</u>	
<u>Week Ending</u>				North East	205	210
				Great Lakes	706	715
April 6, 2019	1,928	0.8	82.8	Midwest	195	187
April 6, 2018	1,787	7.9	76.3	Southern	746	725
March 30, 2019	1,913	-1.1	82.2	Western	<u>76</u>	<u>76</u>
				Total	1,928	1,913
<u>Year-to-Date +</u>						
April 6, 2019	26,136	6.8	81.9			
April 6, 2018	24,472	-	76.5			

*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides a more accurate summary of steel production based on data supplied by companies representing approximately 75% of U.S. production capacity plus includes revisions for previous months.

NOTE: Capacity for the first quarter 2019 is approximately 29.9 million net tons vs. 30.0 million net tons for the same period last year, and 30.8 million tons for the fourth quarter of 2018.



*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. ** Based on tonnage capability to produce raw steel for a sustained full order book.



Source: Kitco website - www.kitco.com/connecting.html



Source: Kitco website - www.kitco.com/connecting.html

U.S. Rail Traffic¹

Week 14, 2019 – Ended April 6, 2019

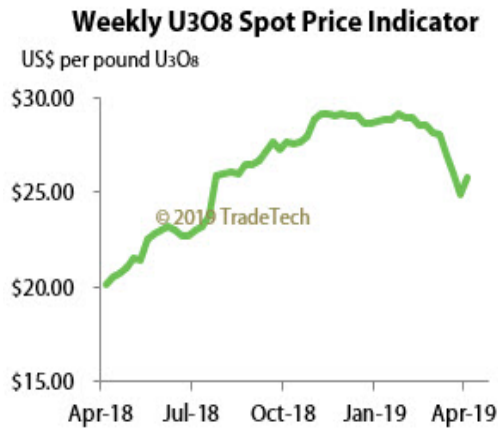
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	251,417	-3.9%	3,447,026	246,216	-3.1%
Chemicals	32,358	-4.0%	446,937	31,924	-1.2%
Coal	75,048	-7.9%	1,075,684	76,835	-8.1%
Farm Products excl. Grain, and Food	16,117	-1.7%	217,882	15,563	-3.2%
Forest Products	9,793	-0.8%	140,161	10,012	-0.1%
Grain	21,815	-13.9%	299,328	21,381	-5.2%
Metallic Ores and Metals	22,191	-4.7%	293,807	20,986	-1.4%
Motor Vehicles and Parts	17,557	2.5%	228,517	16,323	-0.7%
Nonmetallic Minerals	36,059	1.4%	441,739	31,553	-2.4%
Petroleum and Petroleum Products	11,610	17.3%	174,177	12,441	21.7%
Other	8,869	-2.4%	128,794	9,200	-0.9%
Total Intermodal Units	258,775	-1.6%	3,735,232	266,802	-0.6%
Total Traffic	510,192	-2.8%	7,182,258	513,018	-1.8%

¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

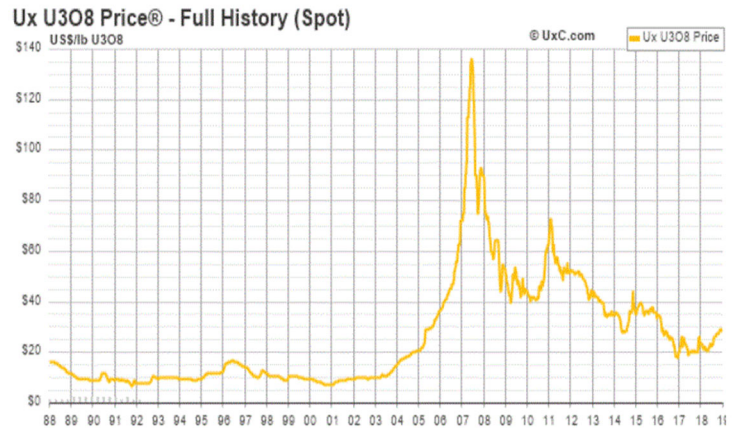
² Average per week figures may not sum to totals as a result of independent rounding.

Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's and UX's Uranium Price Indicators

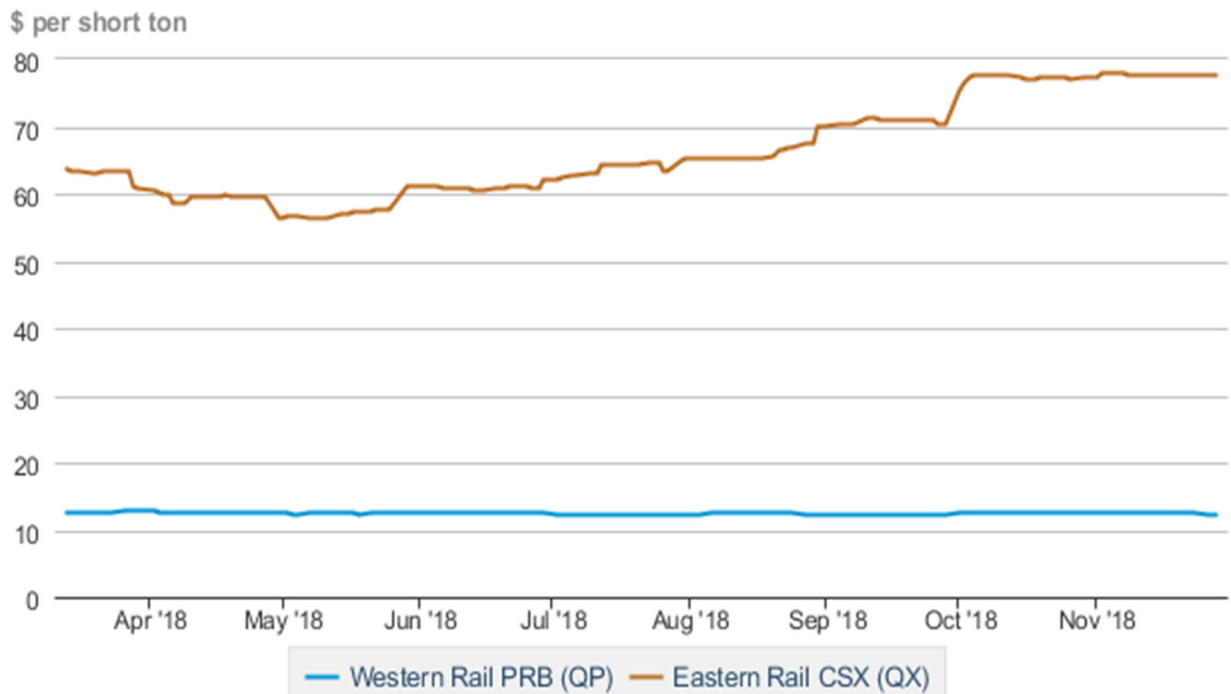


Ux U3O8 Price - Full History



Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Source: Ux Consulting Co., LLC – <http://www.uxc.com>

NYMEX coal futures near-month contract final settlement price



 Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

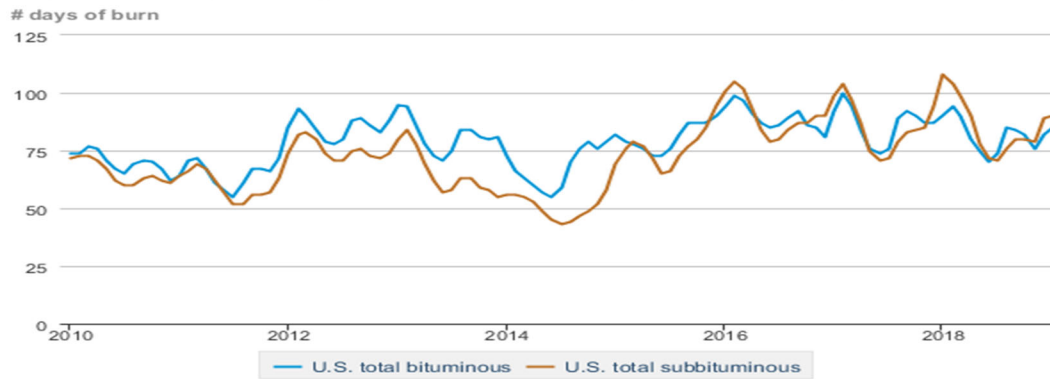
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	03/08/19	03/15/19	03/22/19	03/29/19	04/05/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$81.95	\$83.45	\$83.45	\$80.50	\$80.50	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$70.05	\$70.05	\$70.05	\$70.20	\$70.20	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.20	\$38.20	\$38.20	\$37.45	\$37.45	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.85	\$12.35	\$12.35	\$12.80	\$12.80	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.35	\$39.20	\$39.20	\$38.80	\$38.80	\$0.00

Source: Energy Information Administration (with permission from SNL), *Coal Market Report*

Days of burn by non-lignite coal rank, January 2009 - January 2019



Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update Report*

Temperature – heating & cooling degree days (week ending Mar 28)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	190	10	3	0	0	0
Middle Atlantic	178	13	-14	0	0	0
E N Central	171	-1	-6	0	0	0
W N Central	143	-27	-34	0	-1	0
South Atlantic	104	12	-21	9	-3	-1
E S Central	90	4	-6	0	-5	0
W S Central	35	-14	2	17	4	-3
Mountain	116	-28	-39	3	0	3
Pacific	87	4	-23	0	-1	0
United States	128	-2	-15	4	-1	0

Note: HDD = heating degree day; CDD = cooling degree day

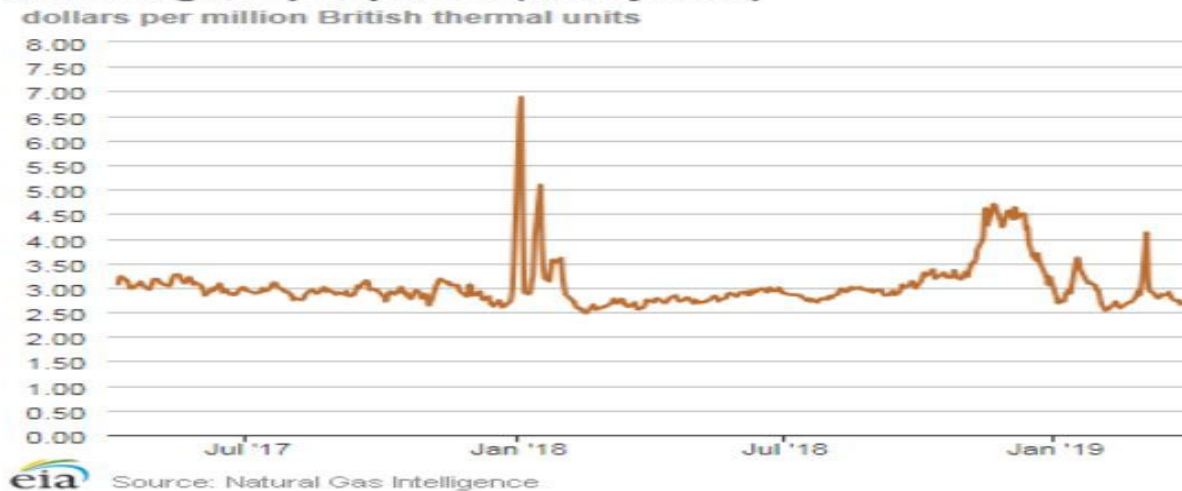
Source: National Oceanic and Atmospheric Administration

Source: Energy Information Administration, *Natural Gas Weekly Update*.

USGS Production of Selected Mineral Commodities	2018 Year to Date - 4th Quarter	2017 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	829.0	837.0	-1%
Cement (Mil. Mt.)	85.3	84.2	1%
Copper (000 Mt.)	1,220.0	1,260.0	-3%
Gold (Mt.)	211.3	237.0	-11%
Gypsum (Mil. Mt.)	17.3	16.8	3%
Iron Ore (Mil. Mt.)	49.3	47.6	4%
Lead (000 Mt.)	W	302.0	N/A
Molybdenum (000 Mt.)	41.9	40.7	3%
Phosphate rock (Mil. Mt.)	25.7	27.9	-8%
Sand & gravel, construction (Mil. Mt.)	961.0	902.0	7%
Silver (Mt.)	923.0	1,030.0	-10%
Soda ash (Mil. Mt.)	11.8	12.0	-2%
Stone, crushed (Mil. Mt.)	1,410.0	1,350.0	4%
Zinc (000 Mt.)	812.0	748.0	9%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2018 data are preliminary estimates. W - withheld, N/A - not available

Natural gas spot prices (Henry Hub)



Source: Energy Information Administration, *Natural Gas Weekly*.

EIA Coal Stocks and Average Number of Days of Burn (Power Sector)

Coal stocks and average number of days of burn for non-lignite coal by region (electric power sector)

Zone	Coal	January 2019		January 2018		% Change of Stocks	December 2018		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,973	147	3,314	85	-10.3%	3,408	132	-12.8%
	Subbituminous	121	275	62	26	96.2%	116	225	3.7%
South	Bituminous	17,114	88	21,701	88	-21.1%	19,364	83	-11.6%
	Subbituminous	3,972	59	4,676	61	-15.0%	4,570	57	-13.1%
Midwest	Bituminous	6,955	61	11,259	81	-38.2%	8,373	64	-16.9%
	Subbituminous	21,420	100	34,154	117	-37.3%	28,020	109	-23.6%
West	Bituminous	3,585	98	4,943	127	-27.5%	3,706	87	-3.3%
	Subbituminous	18,659	90	25,660	111	-27.3%	18,440	74	1.2%
U.S. Total	Bituminous	30,628	85	41,218	90	-25.7%	34,852	82	-12.1%
	Subbituminous	44,172	90	64,551	108	-31.6%	51,146	89	-13.6%

Source: Energy Information Administration, *Electricity Monthly Update*

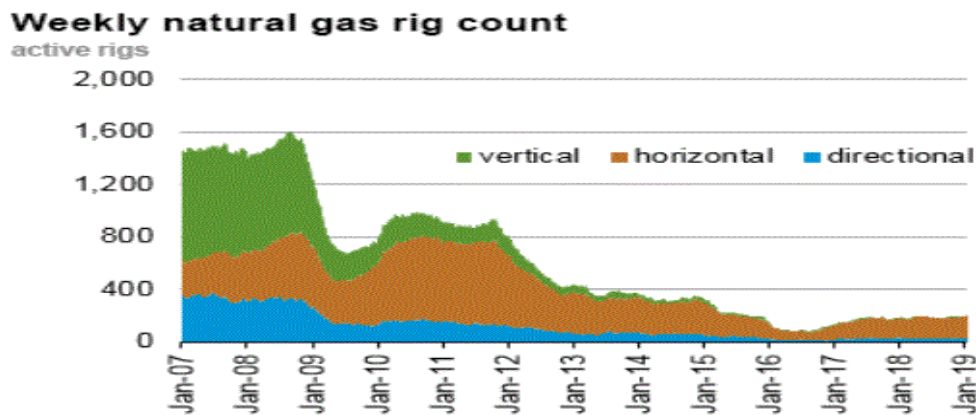
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2019-03-29	2019-03-22	change
East	210	225	-15
Midwest	241	248	-7
Mountain	64	62	2
Pacific	113	104	9
South Central	502	467	35
Total	1,130	1,107	23

Source: Form EIA-912, *Weekly Underground Natural Gas Storage Report*

Source: Energy Information Administration, *Natural Gas Weekly Update*.

EIA Natural Gas Rig Count



Source: Baker Hughes Inc.

Source: Energy Information Administration, *Natural Gas Weekly Update*

EIA Oil and Natural Gas Rig Productivity

Region	New-well oil production per rig barrels/day			New-well gas production per rig thousand cubic feet/day		
	March 2019	April 2019	change	March 2019	April 2019	change
Anadarko	390	396	6	2,836	2,847	11
Appalachia	144	144	-	15,630	15,930	300
Bakken	1,451	1,473	22	1,933	1,942	9
Eagle Ford	1,340	1,342	2	4,894	4,895	1
Haynesville	26	26	-	9,439	9,558	119
Niobrara	1,209	1,222	13	4,127	4,127	-
Permian	611	619	8	1,211	1,221	10
Rig-weighted average	664	678	14	3,692	3,801	109

Source: Energy Information Administration, *Drilling Productivity Report*